

Appl. No. 10/613,370

Amdt. Dated: February 28, 2005

Reply to Office Action of: November 30, 2004

Amendments to the Specification:

Please replace the paragraph beginning at line 3, page 10 with the following amended paragraph:

Turning now to the drawings, Figures 1 and 11 show an automatic sliding door closure device 10 installed on a sliding door 20 slidably engaged with a sliding door track 30 within a door opening entry 40. The automatic sliding door closure device 10 generally comprises a left housing 50-50, a right housing 60, a pulley 70, a cable 80, a first gear 90 with tensioning means 100, a second gear 110 with tensioning means 120 and an air piston assembly 130.

Please replace the paragraph beginning at line 9, page 10 with the following amended paragraph:

The left housing 50-50 as shown in Figure 2 has a first inset 140 for receiving the first gear 90 and a second inset 150 for receiving the second gear 110. The first and second insets 140, 150 share a common opening 160 where the first gear 90 and second gear 110 operably mesh together. Each inset 140, 150 has a slot 170, 180 for receiving an axle that the gears 90, 110 rotate about during use of the device 10. A pulley inset 190 is located adjacent the first inset 140 for receiving the pulley 70 and has a cable guide channel 200 for guiding the cable 80 from the pulley 70 to the first gear 90. The pulley inset 190 has a slot 210 for receiving an axle that the pulley 70 rotates about during use of the device 10. A left exterior relief 220 provides clearance for the left housing 50-50 to be placed adjacent the track 30 of the sliding door 20.

Please amend the Abstract as follows:

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An automatic sliding door closure device for use with a sliding door on a track. The device comprises a housing attached to the door having a connecting arm attached to the housing. A pulley rotatably mounted within the housing guides a cable having an exterior end attached to the doorframe and an interior end connected to the gear, rotating the gear when the sliding door is slid along the track. ~~Tensioning means~~ A spring engaged with the gear tensions rotation of the gear as the door is moved. An airtight cylinder parallel with the track has a plunger arm connected to the connecting arm that is drawn within the cylinder as the door is moved. A flexible member connected to the plunger arm creates an air cushion within the cylinder. An airflow control valve controls intake and outlet of air into the airtight cylinder controlling the closure speed of the door.